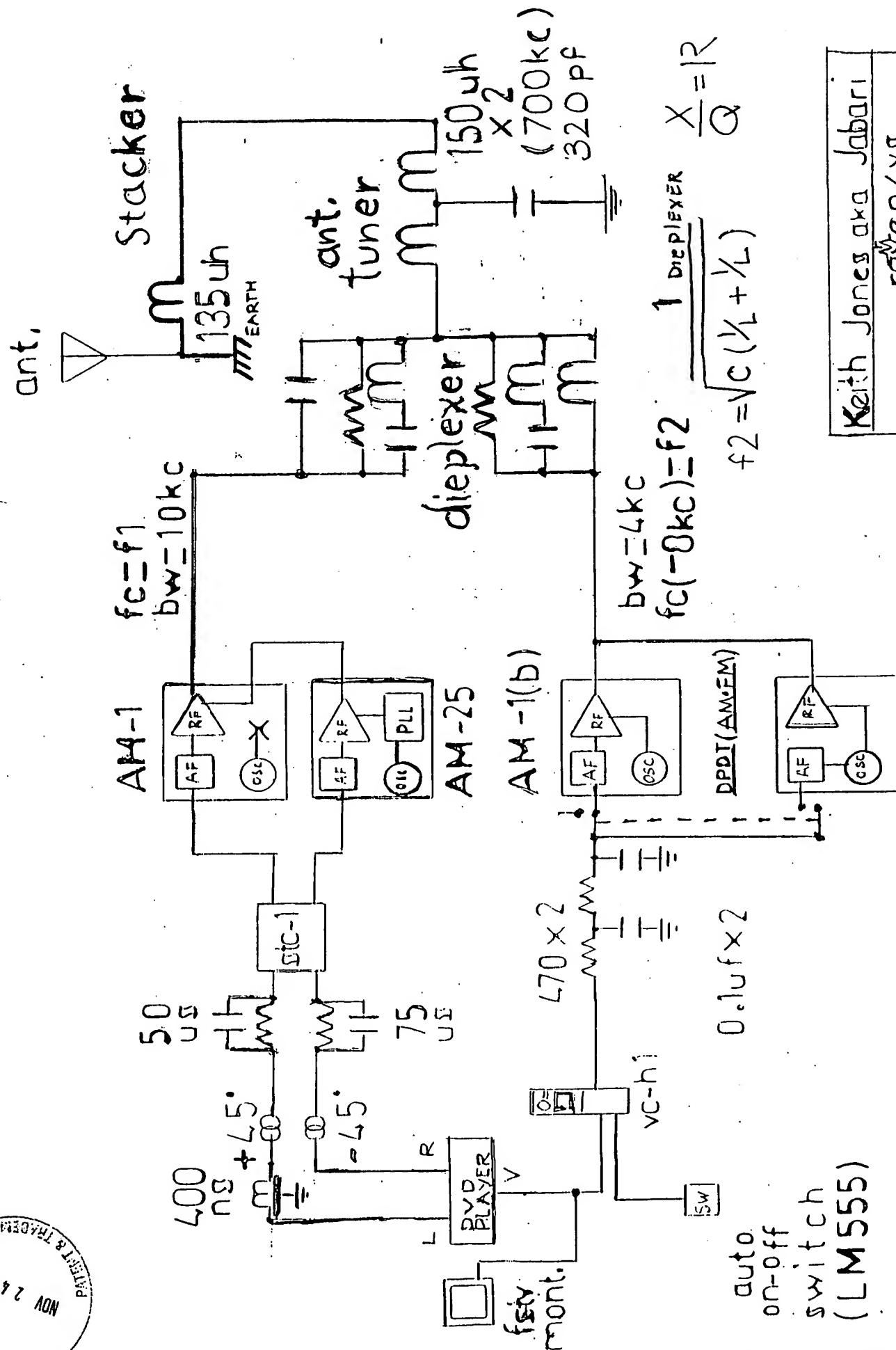


1 Diplexer

$$f1 = \sqrt{c+c}$$

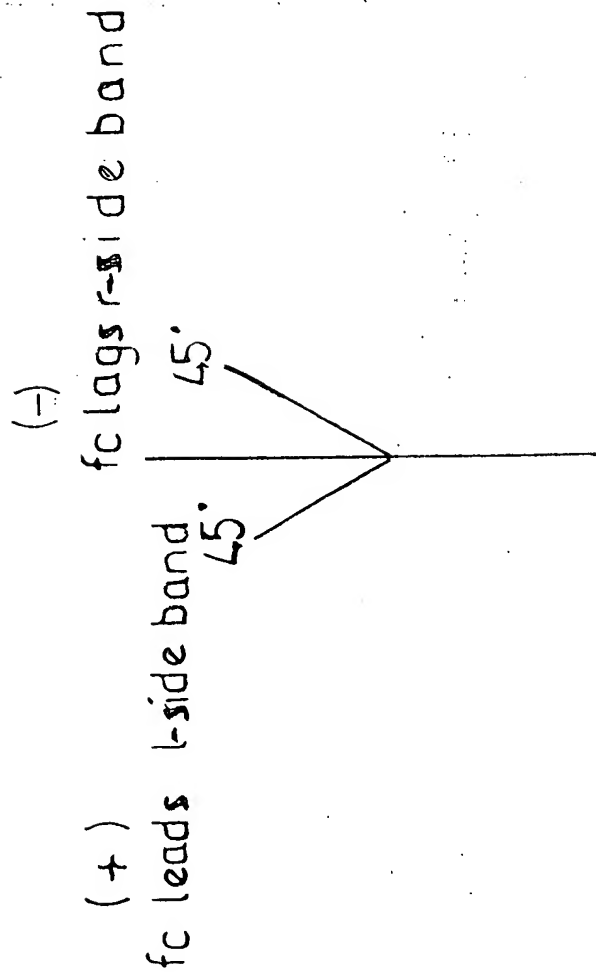


AM-1 (nbc)

fig 1

Keith Jones aka Jabari
raven/vs
60/463103
04/11/03

BEST AVAILABLE COPY



SSTV AM stereo

700kc

692kc

45°

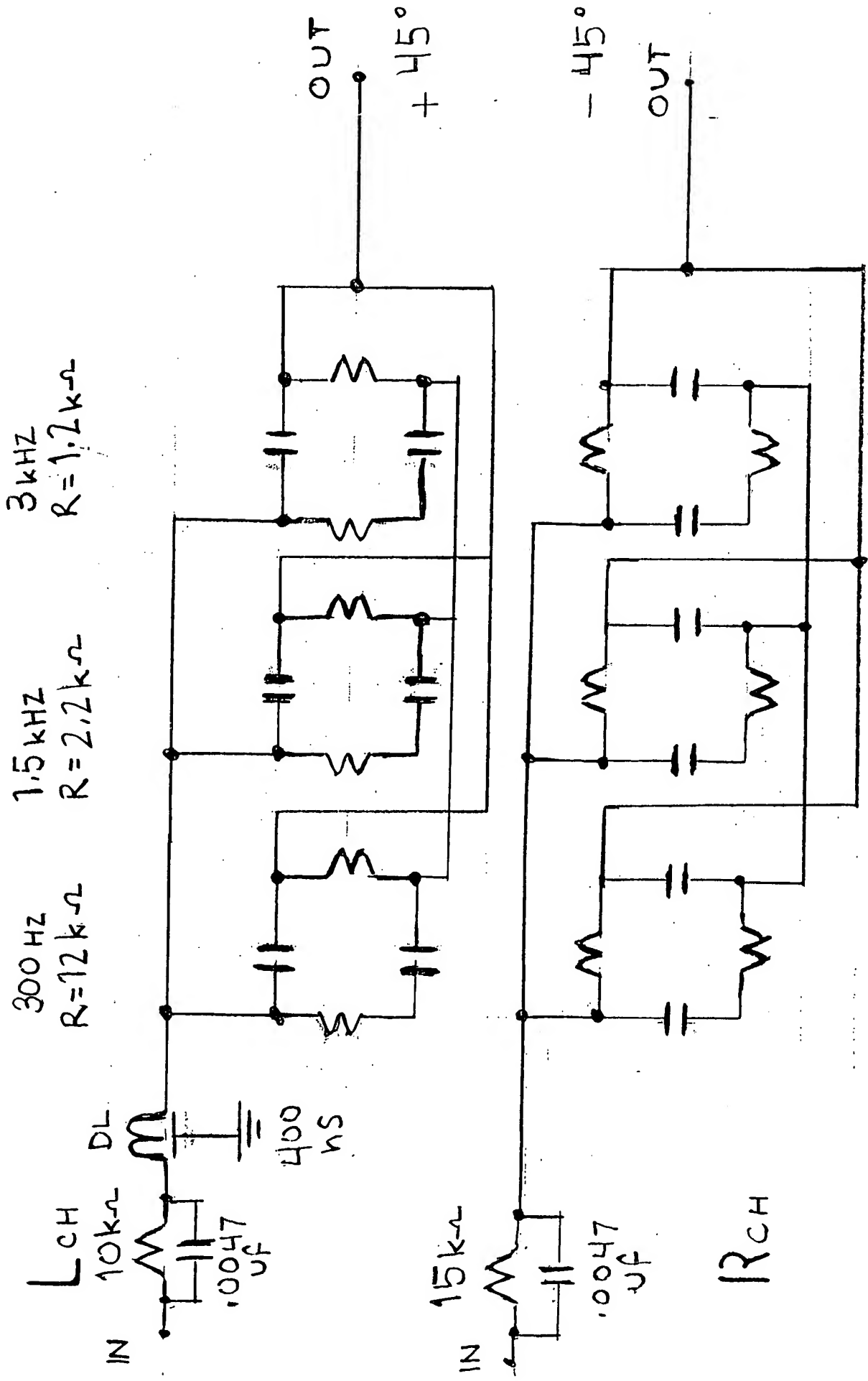
45°

690-694

695 - 705

(15kc wide)

fig2

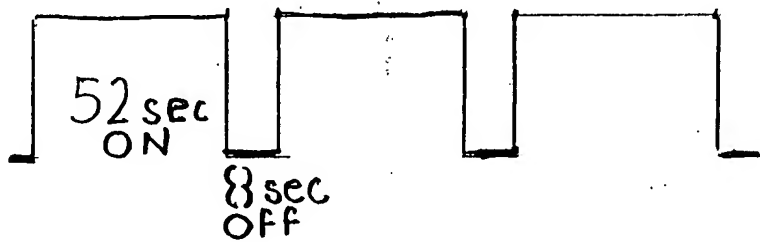
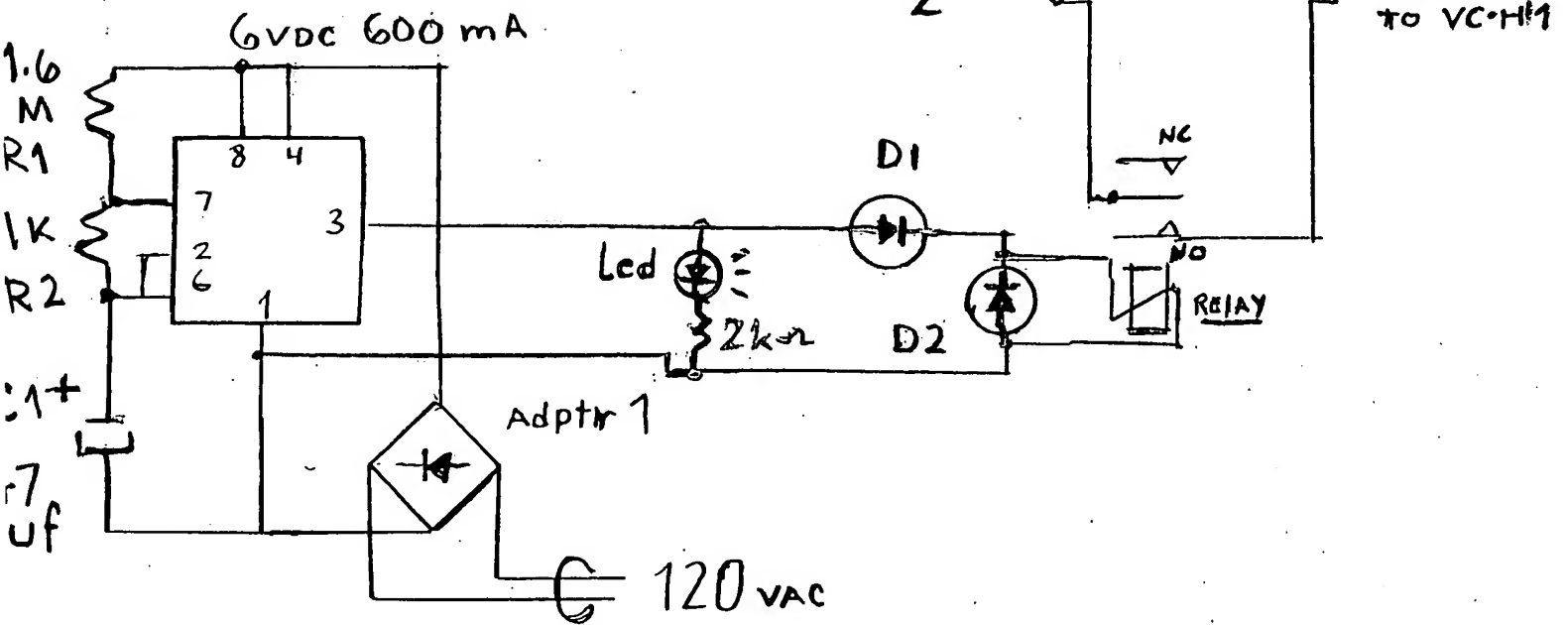


$C \times 12 = .047 \mu F$

3 phase Network

4-14-03
Keith Jones
at. taken!

LM555



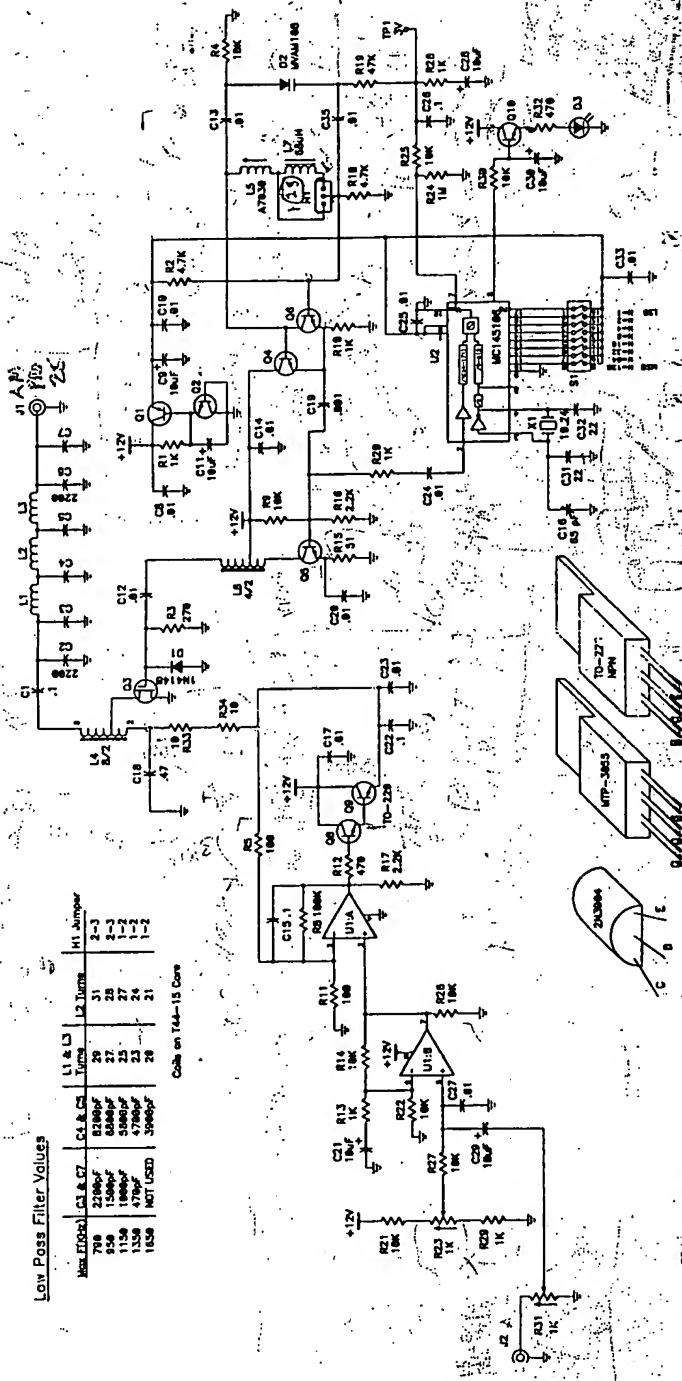
$$t_{d\text{ ON}} = (R_1 + R_2) C_1 \times 0.69$$

$$t_{d\text{ OFF}} = R_2 \times C_1 \times 0.69$$

auto
switch

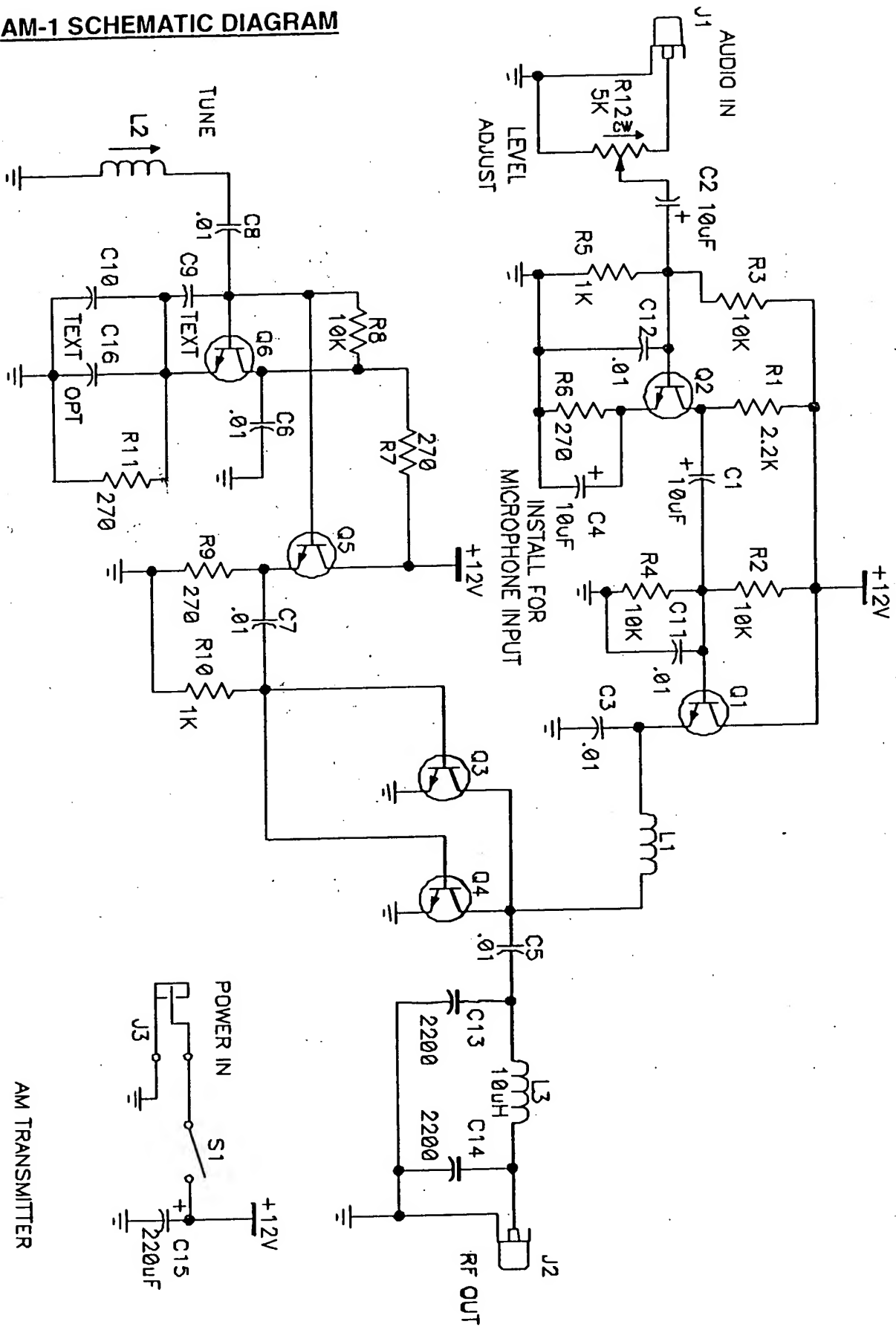
Keith Jones
aka Jabari
4-14-03

AM-25 SCHEMATIC DIAGRAM



RAMSEY AM-25 AM BROADCAST TRANSMITTER KIT

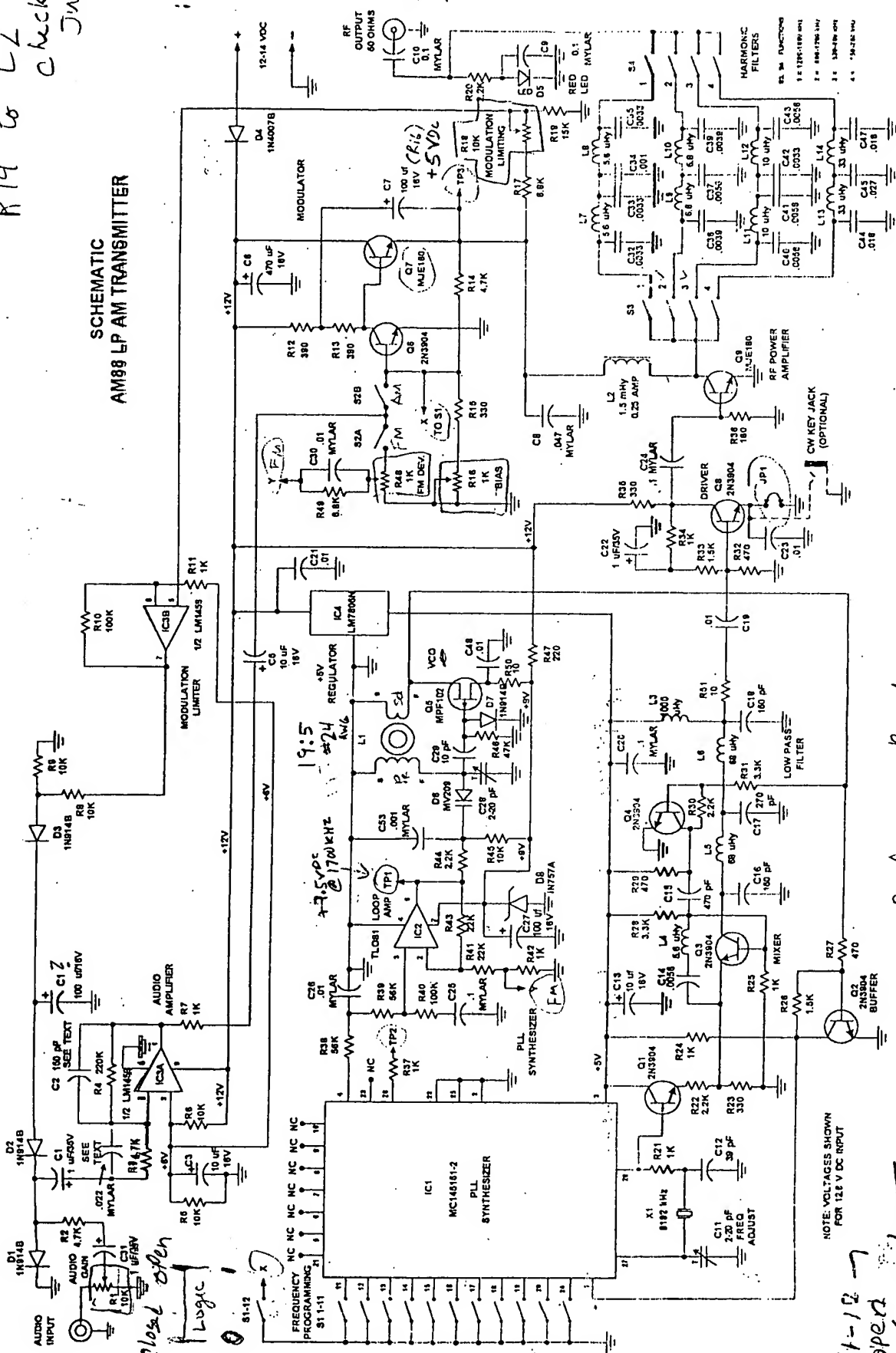
AM-1 SCHEMATIC DIAGRAM



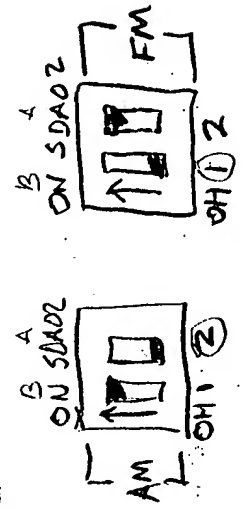
R14 to R17
 R14 to R17
 check +
 jumper

BW 4Kc
 12u
 3m7
 100uF
 100uF
 100uF

SCHEMATIC AM88 LP AM TRANSMITTER



NOTE: VOLTAGES SHOWN FOR 12.5 V DC INPUT



51-12
 open
 closed
 open = logic 1
 closed = logic 0

OFF - open - OH = Logic 1

VC-H1 Wire Connections Using Optional Cable E30-3352-08

Color	Orange	Orange	Yellow	Yellow	White	White	Gray	Gray	Pink	Pink	Shield
Markings	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Shield
Pin No.	4	5	6	7	8	9	11	13	14	15	16

Note: Pins 1, 2 and 10 are not connected. Pins 3 and 12 are jumpered.

Pin 1 is indicated by a triangle



THIS IS DATA PART ON VCH1
SEE SERVICE MANUAL FOR DATA PORT ON VCH1

VC-H1 Connections for SSTV and speaker microphone	
Wire Color	VCH1 Pin No.
Orange/Red Shield	4 → Chassis Ground 16
Yellow/Black Gray/Red	7 → PTT 11
Pink/Red	14 → Audio Input (Microphone)
White/Black Gray/Black	9 → Audio Output ** 13

VC-H1 Connections for SSTV	
Wire Color	VCH1 Pin No.
Orange/Red Shield	4 → Chassis Ground 16
Yellow/Black	7 → PTT
White/Red	8 → Audio Input (Microphone)
White/Black	9 → Audio Output **

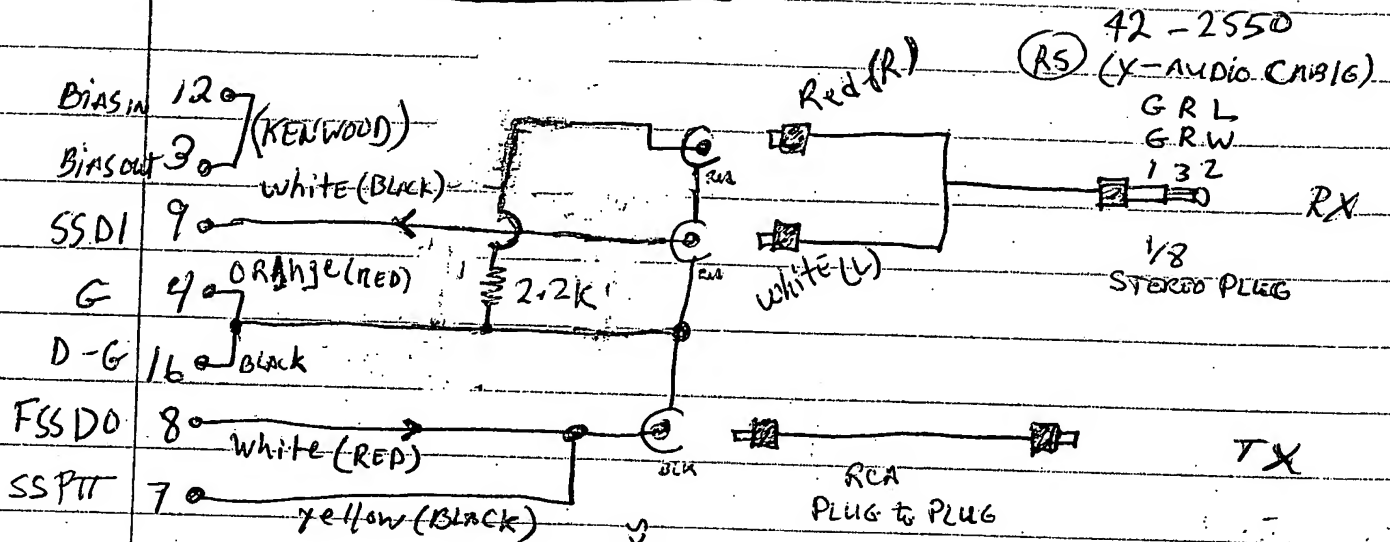
VC-H1 Connections for TS-570/TS-870	
Wire Color	VCH1 Pin No.
Orange/Red	4 → 8 Chassis Ground
Yellow/Black	7 → 9 PTT
Yellow/Red	8 → 11 Audio Input
White/Black	9 → 3 Audio Output
Shield	16 → 12 Shield 4

** A 47uf 16v capacitor may be needed to avoid audio distortion

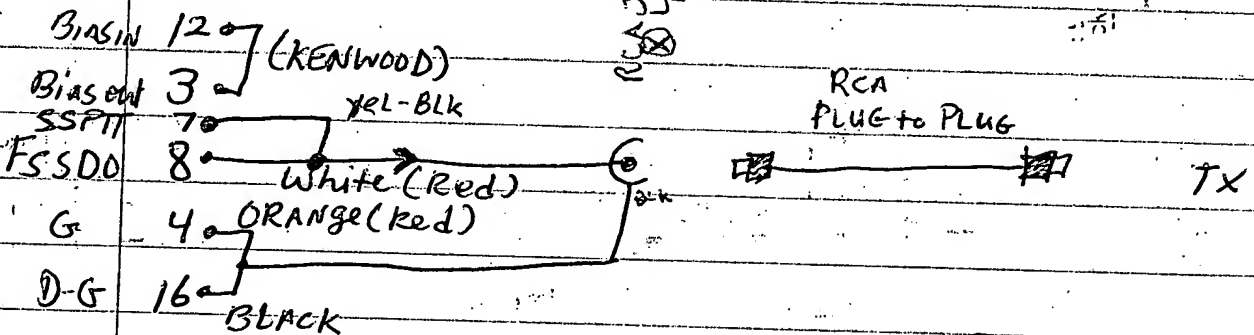
SERIES ? 2A PAA/16A

E30-3352-08

DATA PORT



DATA PORT



NO, 2 (SSDO) = 8 (FSSDO)

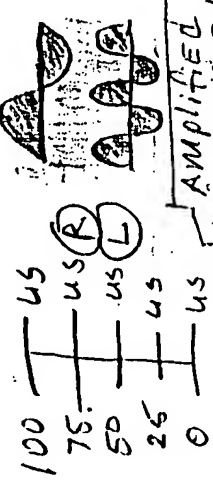
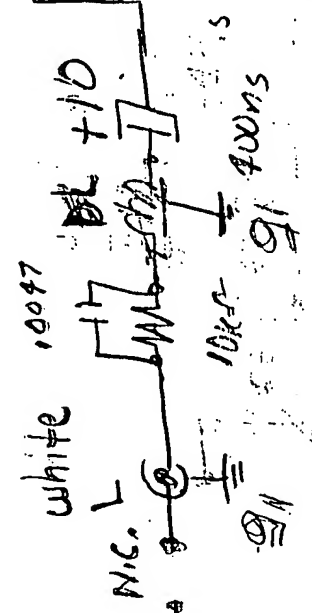
WWW.KENWOOD.NET

TIP of PAGE DOWN load

CONNECTORS (x the most Bytes)

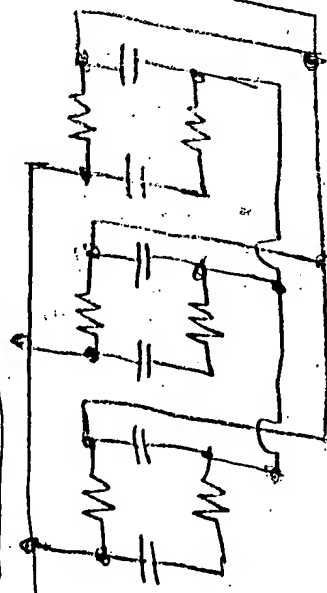
(6 pages)

50us HPF
PRE-EMPHASIS (SYNC)
112KΩ 2.2KΩ 1.2KΩ
300HZ 1.55KHZ 3KHZ



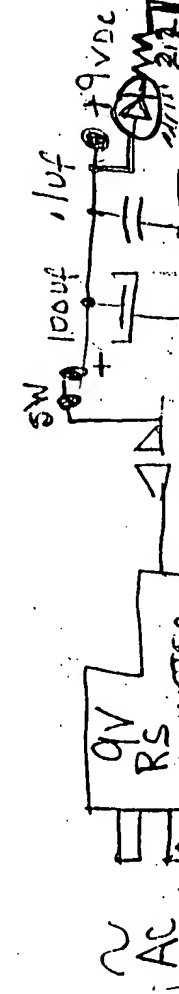
$$\frac{2\pi \cdot f \cdot 0.047}{1} = 0.047$$

75us HPF (SYNC)
PRE-EMPHASIS
15KΩ + 10
10097



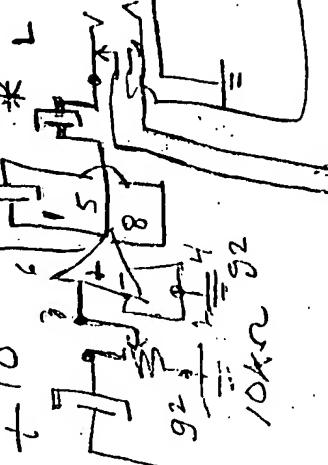
300HZ 1.55KHZ 3KHZ

TO AM
RX
HEAD/PHONE
JACK
RFD10
SHACK
1/8 STEREO
PLUG

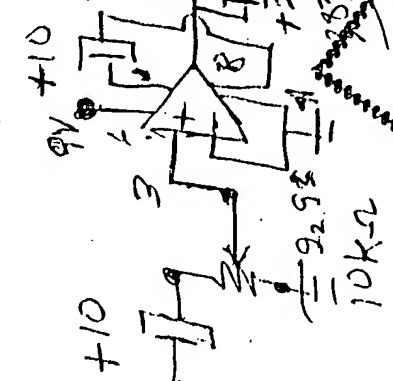


1/8 STEREO
PLUG

386X200
386X200



fc
+45



fc
-45

DECODE
RAVEN - 1007
KAHN - 1007
C-QUAM - 957
MONO - DCUW

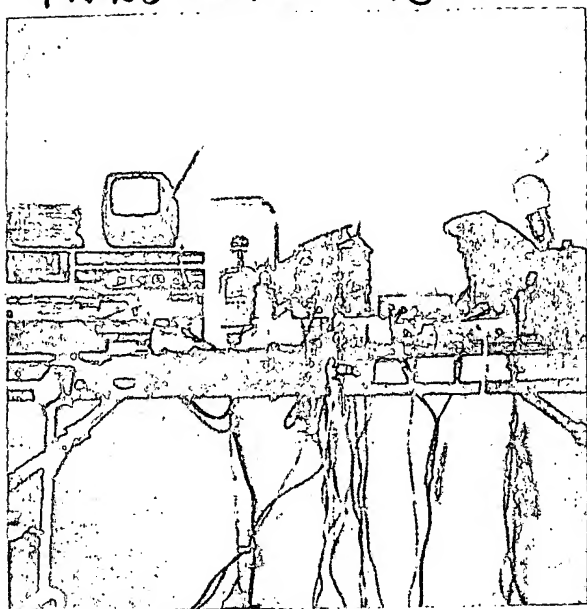
STERO
DECODE

at Chicago, County of Cook, State of Illinois.
this 14 day of May 1966
Subscribed and sworn to before me

ODILE HENDRICKS
Notary Public, State of Illinois
My Commission Expires May 7, 2006

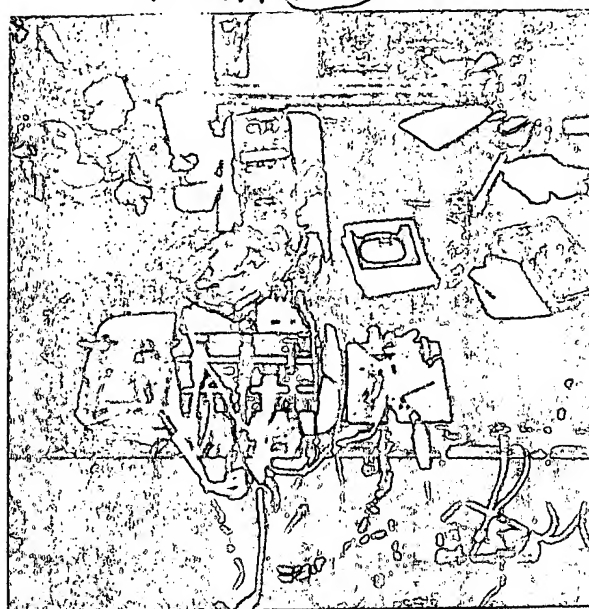
RAVEN AM STE
JACK A DAPTE
KENTH JONET
AKA
JALBARI

TRANSMITTER SIGHT

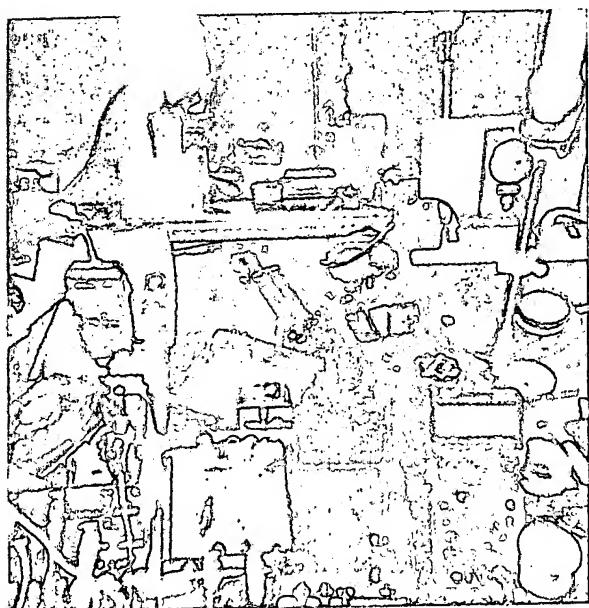


TV MONITOR VC-HI LAMP
 AM/FM RECIEVER
 DVD PLAYER AM VIDE
 STEREO TX

VC-HI LIVE BROADCAST

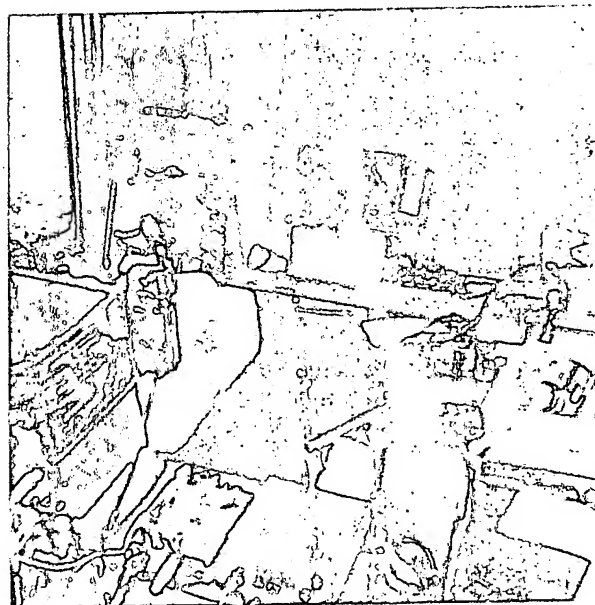


AUTO AM AM NBFM
 SWITCH STEREO VIDEO VIDEO
 FOR TX TX TX(AM BAND)
 VC-HI 700Kc 692Kc 691Kc
 BW 10Kc BW 4Kc BW 3Kc



AM STEREO AM FM DMM
 TX VIDEO TX

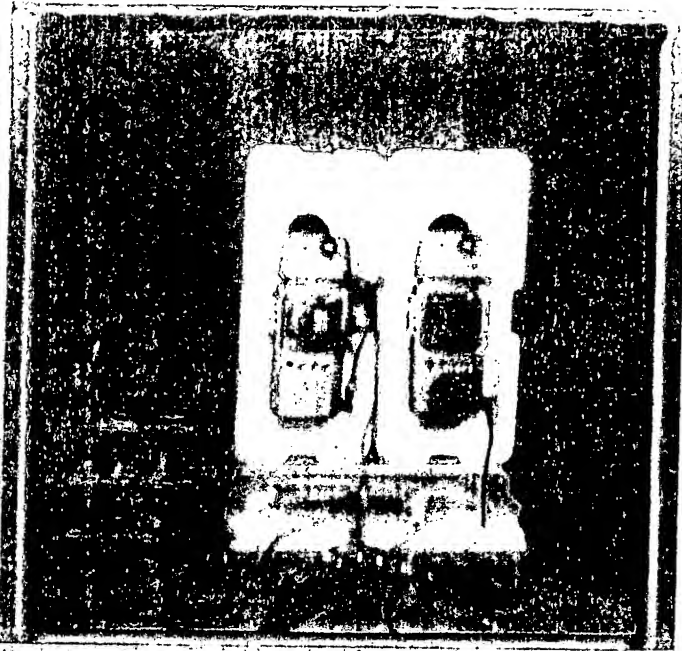
VC-HI DVD/VHS BROADCAST



AM VIDEO TX DMM
 STEREO AM NBFM
 TX

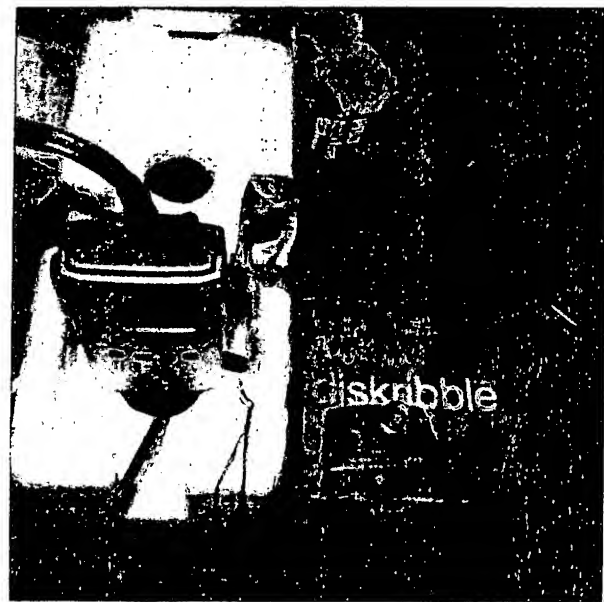
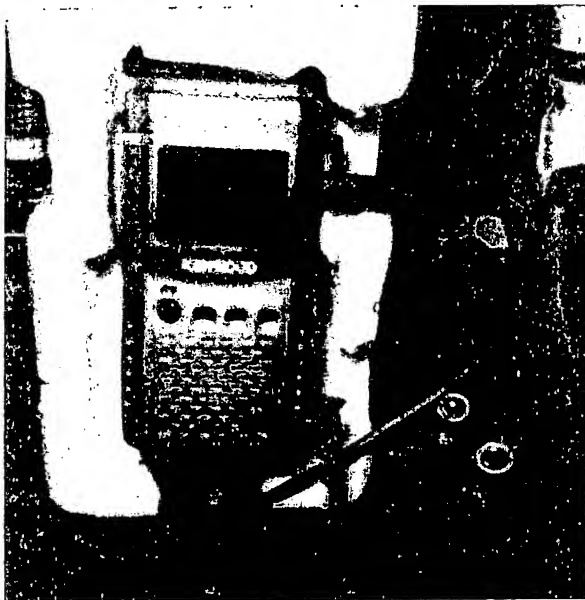
VC-HI CD COVER BROADCAST

AM(VIDEO) STEREO



R'WOOD	RAMSEY	PLASTIC BOX
VC-HI	AM25	PHASE NETS
(SSTV)	AM 1	(45')-TDM.
	STC 1	DELAY LINE

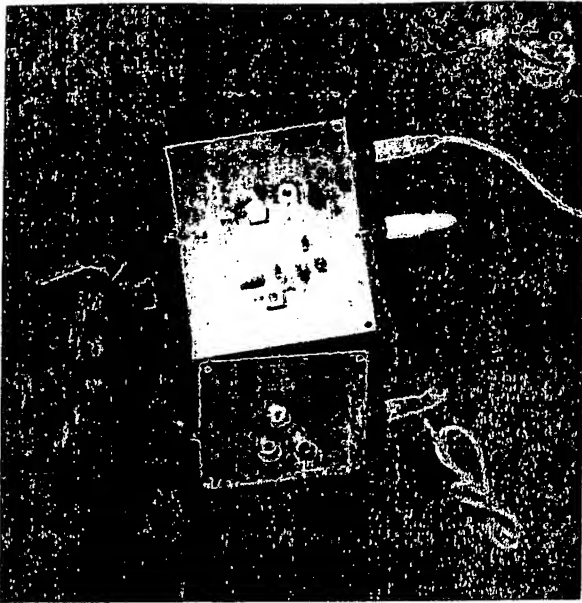
JS417-PS02R



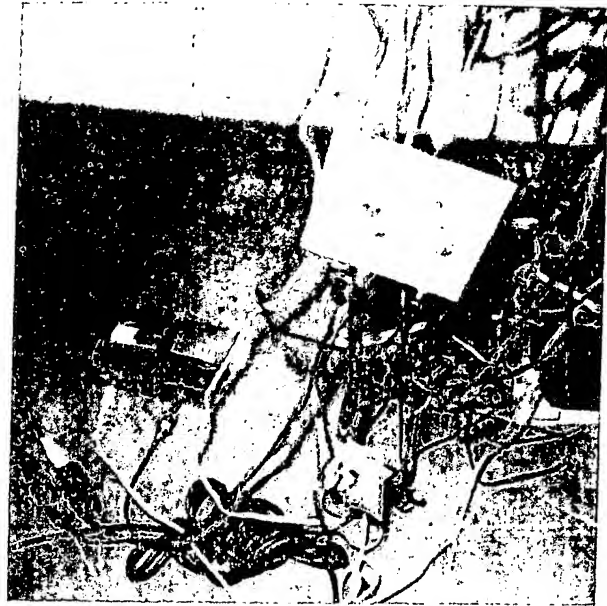
VC-HI AS A RECIEVER FROM
the WALKMAN HEAD PHONE JACK
to the TV VIDEO INPUT PORT

VC-HI AS A TRANSMITTER
FROM the DVD/VHS PLAYER
to the VIDEO AM OR FM TX

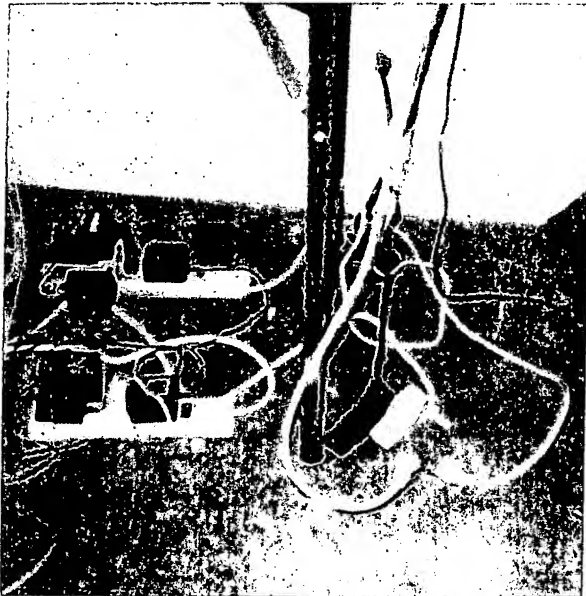
ANTENNA SIGHT



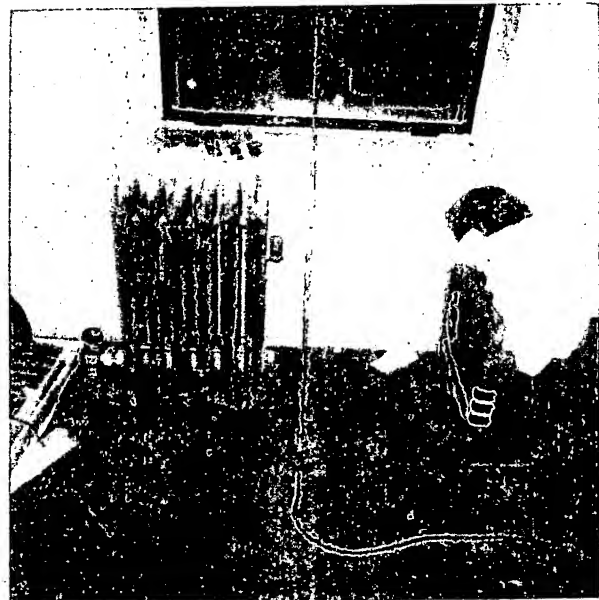
- DIE/PLEXER
- ANTENNA TUNER



- ANTENNA STACKER 1354h
- DIE/PLEXER
- ANTENNA TUNER

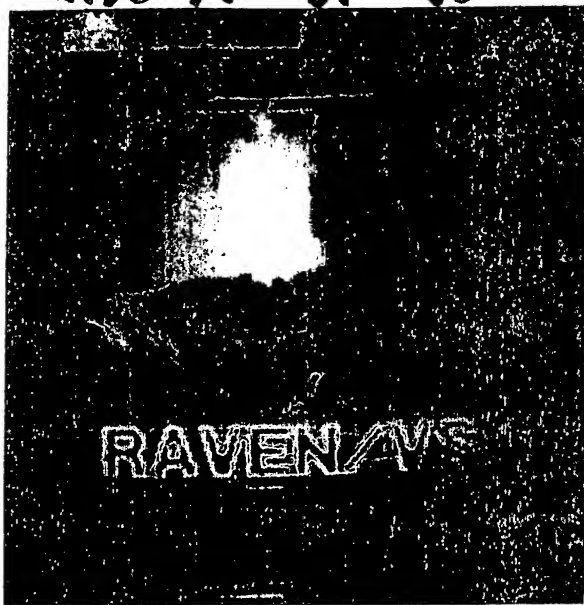


- SEPERATE POWER STRIPS
- AM STEREO TX AND STC-1
 - VC-HI/AUTO SW, AM/FM VIDEO TX
 - TV MONT, DVD PLNR (NOT SHOWN)



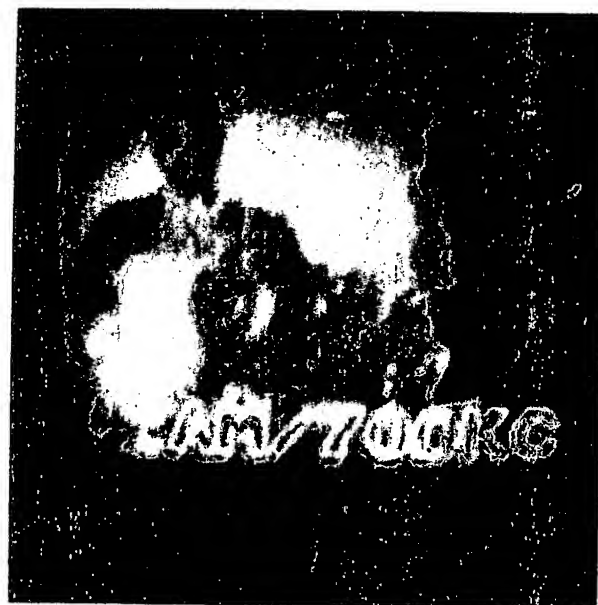
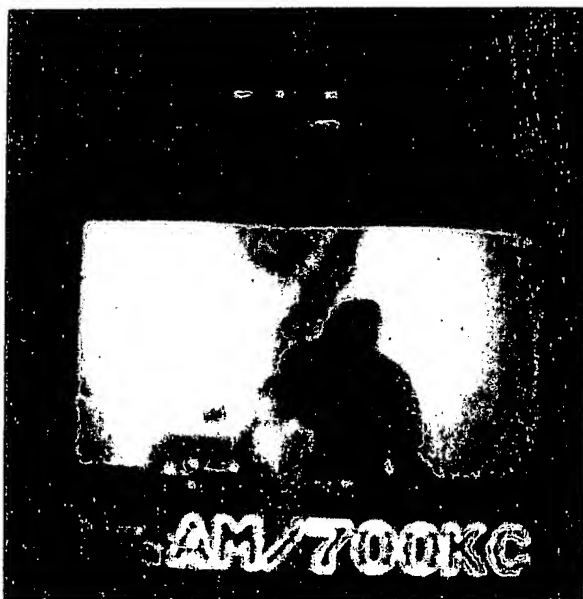
- ANTENNA BASE
(CABLE FROM STACKER)

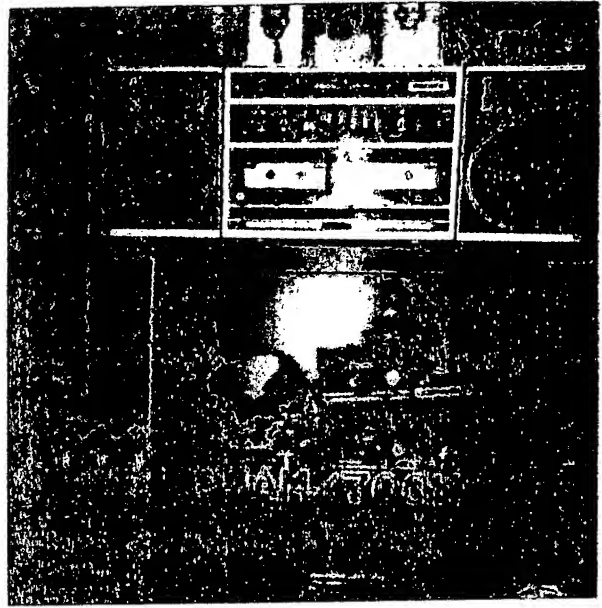
VIDEO AM STEREO

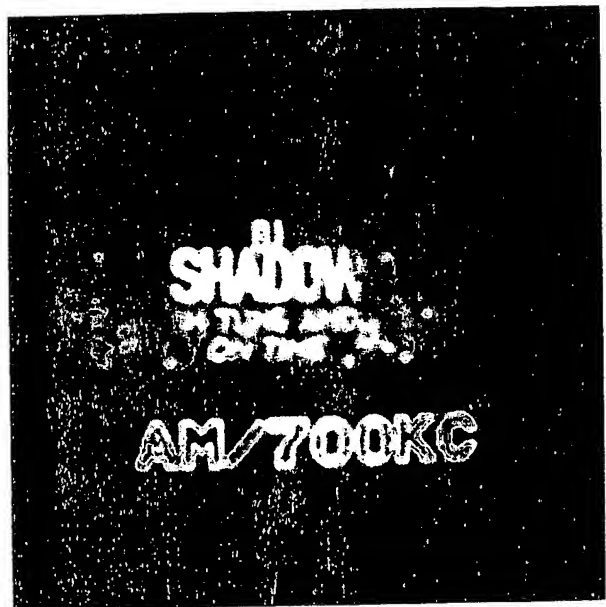


SEE ME THE FATHER OF
THE RADIO VISION Electronic
Network / Viewing System.

• V.C.+HI from RADIO HEAD phone JACK
TO TV VIDEO INPUT PORT FOR VIDEO
• SEPERATE RADIO(not shown) for AUDIO

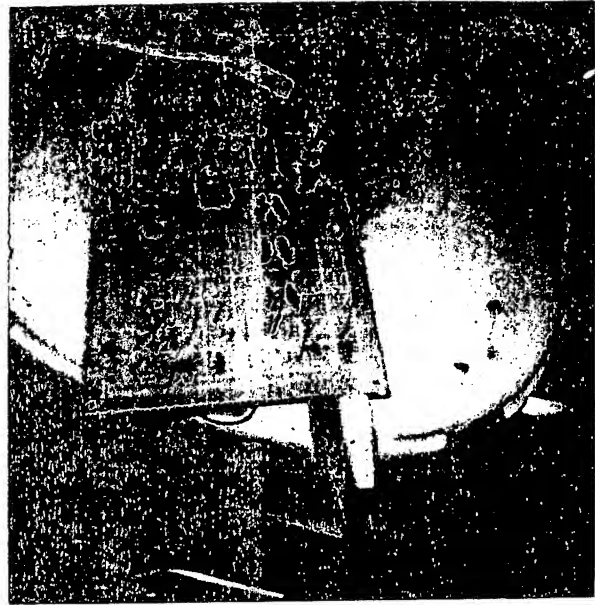
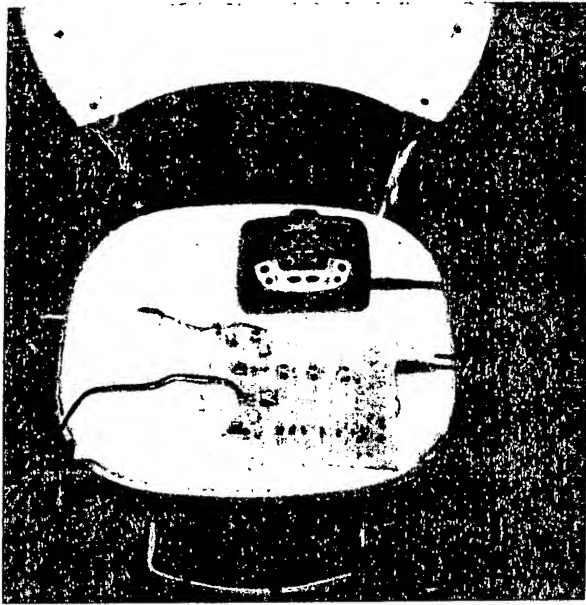






PSUDO AM STEREO
(RAVEN AF AM STEREO

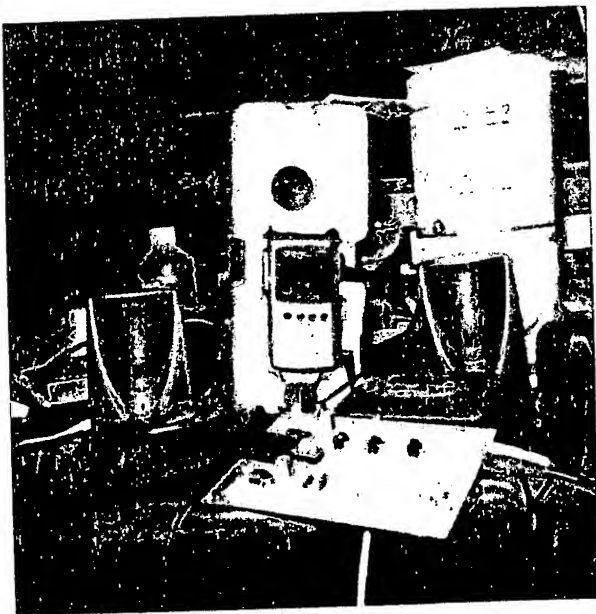
FROM THE HEADPHONE JACK
ADAPTER HEADPHONE JACK) RAAS



AM RADIO PLUS $\pm 45^\circ$
PHASE BOARD EQUALS
PSUDO AM STEREO FROM ANY
AM BROADCAST STATION

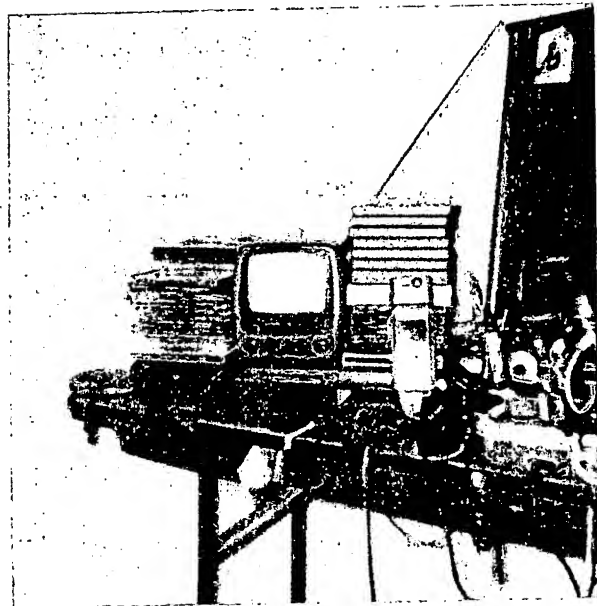
(+) AND (-)
LEFT RIGHT
45 DEGREES

PSUDO
AM STEREO
PCB
(RAAS)



WALKMAN ⊕ RAAS ⊕ SPEAKER *
= PSUDO AM STEREO

WALKMAN ⊕ VC-11 ⊕ TV
(OPTIONAL) = VIDEO for the Radio



TRANSMITTER SIGHT
DVD'S TV MONTR CD'S
DVD PLAYER

* SPEAKER PAIR MUST CONTAIN
A PAIR OF WOOFERS AND TWEETERS
(HEADPHONES OR SPEAKERS WITH MID RANGE ONLY
WILL HAVE NO EFFECT)
(P-7)

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